IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A dental coating kit comprising:

a primer composition including at least one acidic group-containing polymeric monomer (a), water (b) and at least one water-soluble solvent (c) comprising a hydrophilic polymeric monomer in a ratio of at least 10 wt% based on the total weight of the primer composition; and

a surface smoothing composition having viscosity at 30°C of 30 cP through 3000 cP and including at least one polyfunctional polymeric monomer (f), at least one volatile solvent (g) and at least one photopolymerization initiator (h).

Claim 2 (Currently Amended): The dental coating kit according to Claim 1,

wherein the primer composition includes the acidic group-containing polymeric monomer (a) in a ratio of 1 wt% through 90 wt%, the water (b) in a ratio of 0.1 wt% through 90 wt% and the water-soluble solvent (c) in a ratio of [[1]] 10 wt% through 98 wt%, and

the surface smoothing composition includes the polyfunctional polymeric monomer (f) in a ratio of 40 wt% through 98 wt%, the volatile solvent (g) in a ratio of 1 wt% through 59 wt% and the photopolymerization initiator (h) in a ratio of 0.01 wt% through 10 wt% based on a total weight of polymeric monomer(s) included in the surface smoothing composition.

Claim 3 (Original): The dental coating kit according to Claim 1 or 2,

wherein the photopolymerization initiator (h) is an acylphosphine oxide.

Claim 4 (Original): The dental coating kit according to Claim 3,

wherein the acylphosphine oxide is 2,4,6-trimethylbenzoyldiphenylphosphine oxide.

Claim 5 (Canceled).

Claim 6 (Previously Presented): The dental coating method according to Claim 7, wherein the tooth is a bleached tooth.

Claim 7 (Currently Amended): A dental coating method comprising

applying, on a tooth, a primer composition including at least one acidic group-containing polymeric monomer (a), water (b), at least one water-soluble solvent (c) comprising a hydrophilic polymeric monomer in a ratio of at least 10 wt% based on the total weight of the primer composition, and, optionally, at least one polymerization initiator;

forming a primer layer by drying or polymerically curing the primer composition;

applying, on the primer layer, a surface smoothing composition having viscosity at 30°C of 30 cP through 3000 cP and including at least one polyfunctional polymeric monomer (f), at least one volatile solvent (g) and at least one photopolymerization initiator (h); and

forming a surface layer by polymerically curing the surface smoothing composition through light irradiation.

Claim 8 (Currently Amended): A dental coating kit comprising:

a primer composition including at least one acidic group-containing polymeric monomer (a), water (b) and at least one water-soluble solvent (c) comprising a hydrophilic polymeric monomer in a ratio of at least 10 wt% based on the total weight of the primer composition;

a coating composition having viscosity at 30°C of 300 cP through 50,000 cP and including at least one polymeric monomer (d) and at least one photopolymerization initiator (e); and

a surface smoothing composition ~~different from said coating composition and~~ including at least one polyfunctional polymeric monomer (f), at least one volatile solvent (g) and at least one photopolymerization initiator (h).

Claim 9 (Currently Amended): The dental coating kit according to Claim 8,

wherein the primer composition includes the acidic group-containing polymeric monomer (a) in a ratio of 1 wt% through 90 wt%, the water (b) in a ratio of 0.1 wt% through 90 wt% and the water-soluble solvent (c) in a ratio of [[1]] 10 wt% through 98 wt%,

the coating composition includes the polymeric monomer (d) in a ratio of 40 wt% through 99.99 wt% and the photopolymerization initiator (e) in a ratio of 0.01 wt% through 10 wt% based on the polymeric monomer (d), and

the surface smoothing composition includes the polyfunctional polymeric monomer (f) in a ratio of 40 wt% through 98 wt%, the volatile solvent (g) in a ratio of 1 wt% through 59 wt% and the photopolymerization initiator (h) in a ratio of 0.01 wt% through 10 wt% based on a total weight of polymeric monomer(s) included in the surface smoothing composition.

Claim 10 (Original): The dental coating kit according to Claim 8 or 9,

wherein the coating composition further includes an inorganic filler with a refractive index of 1.9 or more and colloidal silica.

Claim 11 (Canceled).

Claim 12 (Previously Presented): The dental coating kit according to Claim 8,

wherein the polymeric monomer (d) includes a hydrophobic polymeric monomer and a hydrophilic polymeric monomer, and

the coating composition includes the hydrophilic polymeric monomer in a ratio of 5 wt% through 50 wt%.

Claim 13 (Original): The dental coating kit according to Claim 12,

wherein the hydrophilic polymeric monomer is 2-hydroxyethyl methacrylate.

Claim 14 (Previously Presented): The dental coating method according to Claim 15,

wherein the tooth is a bleached tooth.

Claim 15 (Currently Amended): A dental coating method comprising

applying, on a tooth, a primer composition including at least one acidic group-containing polymeric monomer (a), water (b), at least one water-soluble solvent (c) comprising a hydrophilic polymeric monomer in a ratio of at least 10 wt% based on the total weight of the primer composition, and, optionally, at least one polymerization initiator;

forming a primer layer by drying or polymerically curing the primer composition;

applying, on the primer layer, a coating composition having viscosity at 30°C of 300 cP through 50,000 cP and including at least one polymeric monomer (d) and at least one photopolymerization initiator (e);

forming an intermediate layer by polymerically curing the coating composition through light irradiation;

applying, on the intermediate layer, a surface smoothing composition ~~different from said coating composition and~~ including at least one polyfunctional polymeric monomer (f), at least one volatile solvent (g) and at least one photopolymerization initiator (h); and

forming a surface layer by polymerically curing the surface smoothing composition through light irradiation.

Claim 16 (New): The dental coating kit according to Claim 1 or 2, wherein volatile solvent (g) is present in a ratio of from about 5 to 50 wt% based on the total weight of the surface smoothing composition.

Claim 17 (New): The dental coating kit according to Claim 1 or 2, wherein acidic group-containing polymeric monomer (a) comprises 10-(meth)acryloyloxydecyl dihydrogen phosphate, water-soluble solvent (c) comprises 2-hydroxyethyl methacrylate, polyfunctional polymeric monomer (f) comprises at least one of dipentaerythritol hexaacrylate, dipentaerythritol pentaacrylate and pentaerythritol triacrylate, and volatile solvent (g) comprises methyl methacrylate.

DISCUSSION OF THE AMENDMENT

Due to the length of the specification herein, Applicants will cite to the paragraph number of the published patent application (PG Pub) of the present application, i.e., US 2006/0078510, when discussing the application description, both in this section and in the Remarks section, *infra*, rather than to page and line of the specification as filed.

Claims 1 and 8 have been amended by inserting a type and ratio (amount) limitation for water-soluble solvent (c), as supported in the specification at [0025]-[0026]. Claims 2 and 9 have been amended to be consistent with the amendment to Claims 1 and 8, respectively. Similarly, Claims 7 and 15 have been amended to be consistent with the amendment to Claims 1 and 8, respectively. Claims 8 and 15 have been further amended by deleting "different from said coating composition and".

New Claims 16 and 17 have been added. Claim 16 is supported in the specification at [0068]. Claim 17 is supported by Embodiments 1-12, as described in the specification at [0122]-[0162].

No new matter is believed to have been added by the above amendment. With entry thereof, Claims 1-4, 6-10, and 12-17 will be pending in the application.